

New Patent Application
Docket No. 32860-000636/US

Abstract of the Disclosure

~~Imaging method for a multislice spiral CT scan with 3D reconstruction, and a computer tomography unit for carrying out this method~~

~~The invention relates to a~~ An imaging method is for a ~~multislice~~ multi-slice spiral CT scan with 3D back projection. Use is being made, for the reconstruction of the absorption value of at least one voxel, of the measured and filtered data that are produced by rays which penetrate the at least one voxel. ~~The invention also relates to a~~ A CT unit is further used to ~~for carrying out this method, having appropriate imaging means.~~

~~In the method according to the invention,~~ the filtering of the data, required for the reconstruction, in the image of the virtual detector is performed in the direction of the projection of spiral segments imaged thereon which are produced by the spiral scanning over a prescribed angular range. The CT unit ~~according to the invention has means~~ includes a device for ~~which carrying out directional filtering of this type.~~

Figure 3